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ecology and environment, inc.

111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415

International Specialists in the Environment

March 11, 1987

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Superfund Tech

Mr. Jeff Larson
Federal Site Management Unit
Division of Land Pollution Control
Illinois Environmental Protection Agency
2200 Churchill Road
P.O. Box 19276
Springfield, Illinois 62794-9276

Dear Mr. Larson:

Re: Off-Site Disposal of Investigation-Derived Waste from the Dead
Creek Remedial Investigation (RI)

Pursuant to your letter dated January 8, 1987, Ecology and Environment, Inc., (E & E) is pleased to present the following scope of work and cost estimate for the work necessary to make arrangements for and oversee the off-site disposal of investigation-derived waste from the Dead Creek RI.

Scope of Work

E & E will select a qualified contractor and disposal facility and oversee the removal and ultimate disposal of all investigation-derived waste to the selected facility or facilities. The Illinois Environmental Protection Agency (IEPA) will still be the waste generator, required to sign off on all manifests and paperwork.

The initial step required under this task is to obtain the necessary IEPA identification number and the United States Environmental Protection Agency (EPA) identification number for IEPA. This step will be performed by E & E with any necessary support provided by the IEPA project manager.

Concurrently with obtaining the identification numbers, the E & E staff will perform a complete inventory of the investigation-derived waste. All drums will be matched with applicable E & E sample numbers to facilitate completion of the necessary waste profile sheets.

It is anticipated that the data derived from the sample analyses will be sufficient to complete the waste profile sheets required by the selected vendor(s). In addition, E & E anticipates that no additional sampling of the solid material will be required. However, it is anticipated that the disposal vendor(s) will require a sample of the

Mr. Jeff Larson
March 13, 1987
Page Two

liquid materials so that the best treatment process can be selected. These samples will be collected and shipped to the vendor(s) by E & E.

E & E will arrange for a licensed hauler to move the drums to a central, secure staging area. The disposal facility will be responsible for loading and transporting the drums of waste. E & E will complete all necessary waste manifest forms and maintain copies for signature by the state's representative.

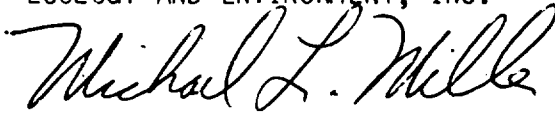
Project Cost Estimate

The estimated cost to provide the services as presented in the scope of work is \$9,415. A detailed cost breakdown is shown on the following page. These costs were projected in accordance with the rates contained in our amended Dead Creek contract.

After your review, please contact me with any questions you may have, and to convey to me the agency's intentions regarding this proposal.

Sincerely yours,

ECOLOGY AND ENVIRONMENT, INC.

A handwritten signature in cursive script that reads "Michael L. Miller".

Michael L. Miller, P.E.

MLM/njc
Enclosure

SCHEDULE "A-1" - COST BREAKDOWN

COVERING THE PERIOD:

FOR: Illinois EPA, Division of Land Pollution Control

With reference to Letter Agreement, Purchase Order, or equivalent by and between the aforementioned Company and ECOLOGY AND ENVIRONMENT, INC., "Consultants."

RELATING TO: Dead Creek Project Investigation - Derived Waste Disposal

	<u>HOURS</u>	<u>RATE</u>	<u>AMOUNT</u>
DIRECT LABOR			
Principal		\$35.07	
Chief		24.25	
Senior	86	17.91	\$1,540
Associate		14.64	
Junior	86	11.42	\$982
Technician		9.10	
Asst. Technician/ Word Processor		8.70	
Secretary		8.92	

1. SUBTOTAL	\$2,522
2. INDIRECT EXPENSES (Overhead @ 65%)	1,640
3. OTHER DIRECT CHARGES	2,525
4. SUBTOTAL: TECHNICAL PERFORMANCE COST	6,687
5. GENERAL & ADMINISTRATIVE EXPENSE (28% of Line 4)	1,873
6. SUBTOTAL	8,560
7. PROFIT (5% of non-labor)	162
PROFIT (13% of other costs)	693
8. SUBCONTRACTOR SERVICES (Cost plus 10%)	
9. E & E DRILLING SERVICES	
10. ANALYTICAL SERVICES (Unit Cost)	
11. EQUIPMENT USAGE (See attached sheet)	
12. TOTAL COST THIS PERIOD	\$9,415

Charges for man-hours will be based on the rates of overhead factors as indicated above. These rates will be in effect through July 31, 1987.